Enrollment No: _____

INDUS UNIVERSITY

IITE/ISHLS/IICT

Constituent Institutes of Indus University

X - CE0421-001

Semester:	4	Branch:	CSE/CE/IT
END SEMESTER EXAMINATION - May 2023			
Subject Code:	CE0421	Subject Name:	Core Java Programming
Date:	24/05/2023	Time:	3 Hrs. 2:00 PM TO 5:00 PM
Day:	Monday	Total Marks:	100

Instructions:

1. Attempt all questions
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicates full marks.

Q.1	A	Describe the following features of java: 1) Multithreaded 2) Architecture neutral 3) Interpreted 4) High performance 5) Platform independent	10
	B	I) Explain this and static keyword. II) Explain finalize() and garbage collection.	10
Q.2	A	Differentiate abstract and interface. Write a program to implement multiple inheritance.	10
	B	What is packages? Explain ways to import packages with examples.	10
Q.3	A	Explain File constructors, any two methods of class File and method seek.	10
	B	Explain use of Array List collection class with example.	10
Q.4	A	Draw and explain life cycle of thread. Also list and explain various methods of thread.	10
	B	What is Multithreading and Multiprocessing with example? Write a program to create two threads with thread class and runnable interface.	10
Q.5		Any Four (05*4=20)	20
	A	Write a client-server program using TCP sockets to echo the message send by the client.	05
	B	Write the use of InetAddress class. List and explain the methods of it.	05
	C	Explain java.util package with example.	05
	D	What is Generics? Explain wildcards with example.	05
	E	Explain Applet initialization and termination with example.	05
	F	What is priority in thread? Explain Thread Priority with example.	05

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